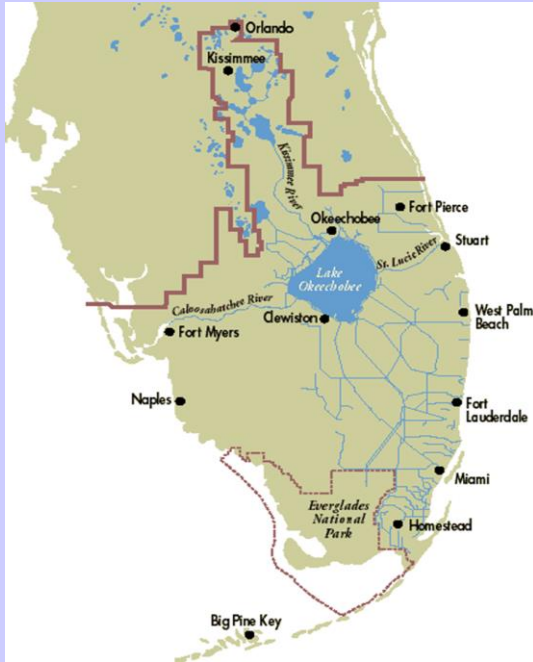


Performance Measures and Restoring the Kissimmee River: A Successful Large-scale Restoration Project



Simple Conceptual Models

Restoration → **Abiotic** → **Biotic**

Flow

Geomorphic

Substratum

Algae

Plants

Invertebrates

Hydrologic

**Dissolved
Oxygen**

Fish

Amphibians

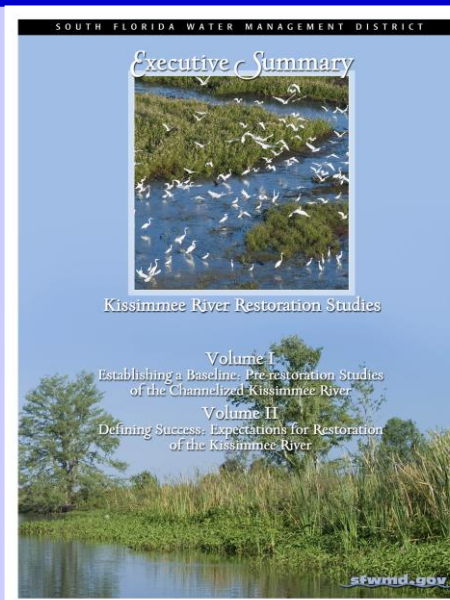
Birds

Hydroperiod

Initially 60 Performance Measures (Expectations) Now Coalesced to 25

- Hydrology - 6
- Geomorphology - 2
- Water Quality - 4
- Vegetation - 10
- Invertebrates - 11
- Algae - 2
- Amphibians - 2
- Fish - 7
- Birds - 11
- Listed Species - 5

Performance measures are linked to an experimental design, locations and frequency of measurements, methods to be used, and ways to analyze and report the resulting data.

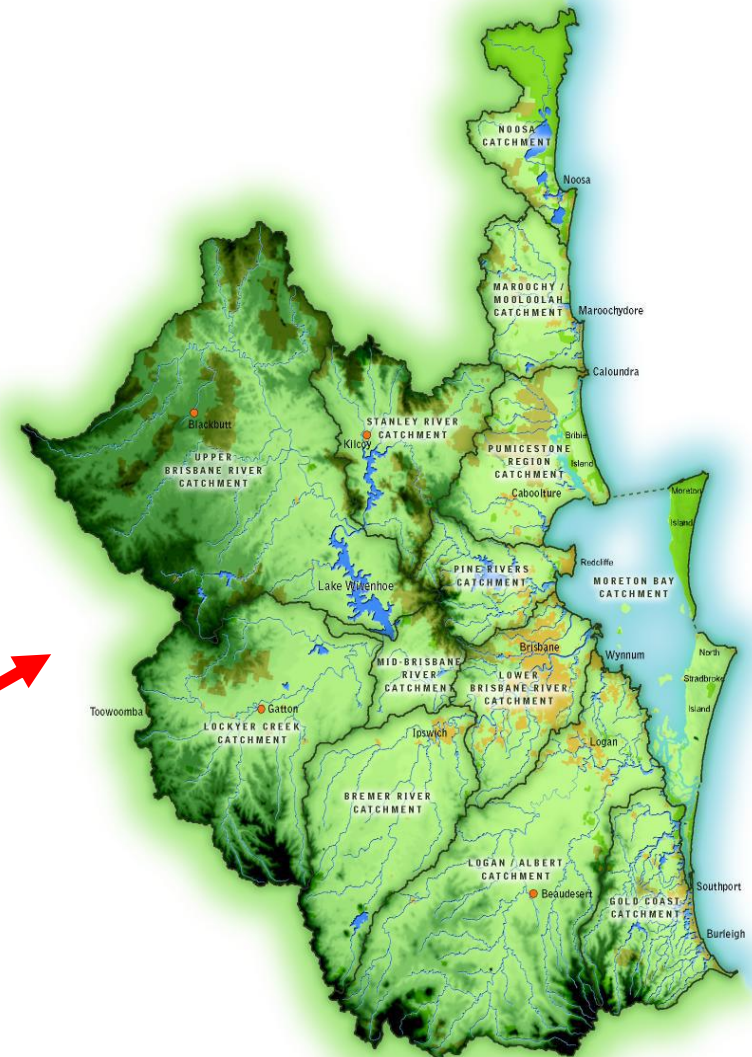


Executive
Summary of the
performance
measures used
for this project.

Healthy Waterways -Southeast Queensland



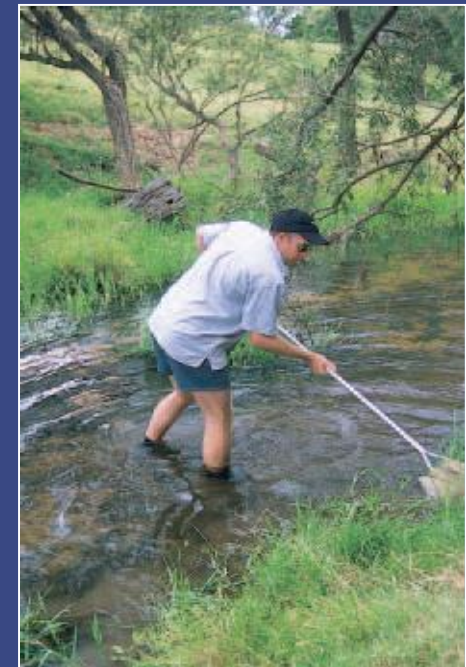
- ♦ 15 major catchments
- ♦ 22,672 km² (5.6 million acres)
- ♦ 19 local government areas
- ♦ Population 2.5 m
- ♦ Fastest growing region in Australia
- ♦ Performance Measure Initiation - Moreton Bay 1998, Catchments 2002



Ecosystem Health Monitoring Program (EHMP)



Freshwater EHMP - Implemented 2002



120 freshwater sites
(sampled 2x/yr)

